

## AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior versions and listings of claims in the application:

### Listing of Claims

1. (currently amended) An intervertebral implant ~~(1)~~, ~~specifically an artificial intervertebral disk~~, comprising a central axis (2), an upper section ~~(10)~~, suitable for laying onto the base plate of a vertebral body lying above, and a lower section ~~(20)~~ suitable for laying onto the cover plate of a vertebral body lying below, wherein:

~~A)~~ the upper section ~~(10)~~ ~~is provided with~~ has a ventral side area ~~(11)~~, a dorsal side area ~~(12)~~, two lateral side areas ~~(13,14)~~, a top apposition surface ~~(15)~~, and a bottom surface ~~(16)~~;

~~B)~~ the lower section ~~(20)~~ ~~is provided with~~ has a ventral side area ~~(21)~~, a dorsal side area ~~(22)~~, two lateral side areas ~~(23,24)~~, a bottom apposition surface ~~(25)~~, and a top surface ~~(26)~~; and

~~C)~~ the two sections ~~(10,20)~~ are moveable in relation to each other ~~by means of~~ via two joints ~~(38;39)~~ arranged between the two sections ~~(10;20)~~, wherein:

~~D)~~ each of the joints ~~(38;39)~~ ~~is provided with~~ has a swivel axle ~~(3;4)~~ and the two swivel axles ~~(3;4)~~ are arranged transversely or perpendicular to each other; and

~~E)~~ the two joints ~~(38;39)~~ ~~are realised by means of~~ comprise an upper joint element ~~(31)~~ connected with the upper section ~~(10)~~, a central joint element ~~(32)~~, and a lower joint element ~~(33)~~ connected with the lower section ~~(20)~~, wherein:

~~F)~~ each joint ~~(38;39)~~ ~~comprising~~ comprises a first joint section ~~(31;32;33)~~ with an elevation ~~(49;50)~~ having an edge ~~(51;53)~~ for the bearing of a second joint section ~~(31;32;33)~~ in a way that allows tilting around the swivel axle ~~(3;4)~~.

2. (currently amended) The intervertebral implant ~~(1)~~ according to ~~Claim~~ claim 1, wherein the lower joint section ~~(33)~~ comprises an elevation ~~(50)~~ ~~provided with~~ having

an edge (51) for bearing of the central joint section (31;32) in a way that allows tilting around the swivel axle (4).

3. (currently amended) The intervertebral implant (1) according to ~~Claim~~ claim 1, wherein the upper joint element (31) comprises an elevation (49) ~~provided with~~ having an edge (53) for bearing of the central joint section (32) in a way that allows tilting around the swivel axle (3).

4. (currently amended) The intervertebral implant (1) according to claim 1, wherein the second joint section (31;32;33) comprises a depression (52;54) for receiving the elevation (49;50) on the first joint section (31;32;33).

5. (currently amended) The intervertebral implant (1) according to claim 4, wherein the lower joint section (33) comprises an elevation (50) parallel to the swivel axle (4) with an edge (51) forming the swivel axel (4), and wherein this elevation (50) is carried in ~~the a~~ a depression (52) on the central joint section (32).

6. (currently amended) The intervertebral implant (1) according to ~~Claim~~ claim 4, wherein upper joint section (31) comprises an elevation (49) parallel to the swivel axle (3) with an edge (53) forming the swivel axel (3), and wherein this elevation (49) is carried in a depression (54) on the central joint section (32).

7. (currently amended) The intervertebral implant (1) according to claim 1, wherein the swivel axles (3;4) are warped in relation to each other.

8. (currently amended) The intervertebral implant (1) according to claim 1, ~~wherein further comprising a means (40) is provided that keeps for keeping~~ wherein further comprising a means (40) is provided that keeps for keeping the two sections (10;20), measured at their ventral side areas (11;21), at a fixed distance from each other.

9. (currently amended) The intervertebral implant (1) according to claim 1, ~~wherein further comprising a means (40) is provided that is suitable~~ for causing temporary blocking of the mobility of the two sections (10;20) around the joints (38;39).

10. (currently amended) The intervertebral implant (1) according to ~~Claim~~ claim 8, wherein the means (40) can be attached to the two ventral side areas (11;21) of the two sections (10;20).

11. (currently amended) The intervertebral implant (1) according to ~~Claim~~ claim 9, wherein the means (40) comprises an insert (41) with a lower end (45) and an upper end (46) and a depression (42;43) in the surfaces (16;26) at each of the two sections (10;20), which are open on the ventral side areas (11;21), and that the insert (41) with its ends (45;46) can be inserted into each of the depressions (42;43).

12. (currently amended) The intervertebral implant (1) according to ~~Claim~~ claim 11, ~~characterised in that~~ wherein the depressions (42;43) are dovetail guides and the ends (45;46) on the insert (41) are arranged complementary to these dovetail guides.

13. (currently amended) The intervertebral implant (1) according to ~~Claim~~ claim 12, wherein the dovetail guides are tapered from the ventral side areas (11;21) towards the dorsal side areas (12;22).

14. (currently amended) The intervertebral implant (1) according to claim 1, wherein the upper and the lower sections (10;20) each comprise at least two drill holes (80) running through from the ventral side areas (11;21) to the apposition surfaces (15;25) with longitudinal axes (83) for receiving bone fixation devices (81).

15. (currently amended) The intervertebral implant (4) according to ~~Claim~~ claim 14, wherein the longitudinal axes (83) of the drill holes (80) make an angle  $\gamma$  with the central axis (2).

16. (currently amended) The intervertebral implant (4) according to ~~Claim~~ claim 15, wherein the angle  $\gamma$  lies in a range of between 20° and 65°.

17. (currently amended) The intervertebral implant (4) according to claim 14, wherein the longitudinal axes (83) of the drill holes (80) as seen from the ventral side areas (11;21) diverge from the inner surfaces (16;26) against the apposition surfaces (15;25).

18. (currently amended) The intervertebral implant (4) according to claim 14, wherein the drill holes (80) are conically tapered towards the apposition surfaces (15;25).

19. (currently amended) The intervertebral implant (4) according to claim 14, wherein the drill holes (80) ~~are provided with~~ have an internal thread (82).

20. (currently amended) The intervertebral implant (4) according to claim 1, wherein the central joint section (32) comprises a first catching means (100) and the lower joint section (33) comprises a second catching means (105), and that the first and second catching means (100;105) can be engaged with each other.

21. (currently amended) The intervertebral implant (4) according to claim 1, wherein hinges (120) are attached between the upper joint section (31) and the central joint section (32), through which the two joint sections (31;32) are held together parallel to the central axle (2) without this causing any restriction of the rotation movement of the two joint sections (31;32) relative to each other around the first swivel axis (3).

22. (currently amended) A process for the replacement of a defective, natural intervertebral disk ~~characterized~~ by an intervertebral implant, comprising ~~the steps~~:

~~A) blocking of the one or more joint(s) (38;39) of an intervertebral implant (1) through the special~~ with blocking means (40) inserted in a certain position of the joint(s) (38;39);

~~B) insertion of~~ inserting the intervertebral implant (1) into ~~the~~ an intervertebral space to be treated; and

~~C) release~~ releasing and ~~removal of~~ removing the device (40) blocking means inserted into the intervertebral implant (1) for blocking the joint(s) (38;39).

23. (currently amended) The process according to ~~Claim~~ claim 22, additionally comprising ~~the step of the~~ subsequent blocking of the joint(s) (38;39) on the implanted intervertebral implant (1) ~~through~~ with the blocking means (40).